What is Claimed is:

1. A method of floods control and floods discharge comprising the steps of:

(a) setting up a programmable tidal current control gate (PTCCG) anywhere within a tidal current limit and between a narrower portion of an estuary and/or at a coast tangent of a river mouth, wherein said PTCCG is built across a river;

(b) closing said PTCCG when there is a danger of floods in flood seasons, preventing a tidal current from entering an inner portion of said river, and re-opening said PTCCG when a tide ebbs, and discharging a flood water withheld into the sea; and

(c) keeping said PTCCG opened when it is not in use.

2. The method of floods control and floods discharge, as recited in claim 1, wherein said PTCCG is constructed at said narrower portion of said estuary.

3. The method of floods control and floods discharge, as recited in claim 1, wherein said PTCCG is fabricated of multi-sectional flat sluice gate.

4. The method of floods control and floods discharge, as recited in claim 1, wherein a span covered by said PTCCG is between 20% and 80% of a width of said narrower portion of said estuary.

5. The method of floods control and floods discharge, as recited in claim 1, wherein during a flood season, said PTCCG is used for a period of 7 to 14 days.